



UNIVERSITY OF L'AQUILA



Department of Health, Life and  
Environmental Sciences

# 1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES

## *Laurea in TECNICA DELLA RIABILITAZIONE PSICHIATRICA*

### Course Catalogue

Academic year starts the last week of September and ends the first week of June.

1<sup>st</sup> Semester - Starting date: last week of September, end date: 3<sup>rd</sup> week of January

2<sup>nd</sup> Semester - Starting date: last week of February, end date: 1<sup>st</sup> week of June

Exams Sessions: I) from last week of January to 3<sup>rd</sup> week of February, II) from 2<sup>nd</sup> week of June to end of July, III) from 1<sup>st</sup> to 3<sup>rd</sup> week of September.

<b>Comprehensive Scheme of the 1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES</b>					
<b>YEAR</b>	<b>CODE</b>	<b>COURSE</b>	<b>Credits (ECTS)</b>	<b>Semester</b>	
<b>I</b>	D0253	Anatomy and Physiology	6	1	
	D0314	Psychological assessment and introduction to clinical psychology	12	1	
	D0301	General and social psychology	6	2	
	D4164	Principles of psychiatric rehabilitation and psychiatry	6	2	
	D0357	Adult and developmental psychopathology	6	2	
		<i>English</i>		3	1 or 2
		<i>Work Placement I</i>		18	1 and 2
<b>II</b>	D4170	Team work and health and social integration	6	1	
	D4166	Organic diseases in mental disorders	6	1	
	D4168	Prevention and health services	6	1	
	D4171	Psychodrug and psychosocial interventions in evidence-based integrated treatments	6	1	
	D2860	Techniques of first aid	6	2	
	D4173	Disability and Rehabilitation in Neurology and Child Neuropsychiatry	6	2	
	D4174	Techniques of Body Expression	6	2	
		<i>Work Placement II</i>		20	
<b>III</b>	D2866	Principles of health management and Forensic Medicine	6	1	
	D4176	Assessment of psychiatric rehabilitation interventions outcomes	6	1	
	D2882	Scientific methodology and psychosocial research	6	2	
		<i>Work Placement III</i>		22	1 and 2
		<i>Free choice Courses / Activities</i>		6	1 and 2
		<i>Other activities</i>		9	1 and 2
		<i>Thesis</i>		6	2

**Programme of “Anatomia e Fisiologia”  
“Anatomy and Physiology”:**

This course is composed of two Modules: 1) Physiology and Neurophysiology, 2) Anatomy

Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)

D0253, Compulsory

1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES, 1<sup>st</sup> year, 1<sup>st</sup> semester

**1) PHYSIOLOGY AND NEUROPHYSIOLOGY (ECTS credits: 3)**

Teacher: Luciano DOMENICI

1	Course objectives and Learning outcomes	<p>The goal of the course is to provide a systematic presentation of physiological concepts. It is essential that all health professional students receive sufficient exposure to the physiological concepts that provide the foundations needed for further studies. The curricular objectives are focused primarily on normal body function. However, this material is presented in a context that prepares students for their roles and, accordingly, anatomical, pharmacological as well as clinical examples are used to illustrate the underlying physiological principles.</p>
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <p><b>I. General neurophysiology</b></p> <ol style="list-style-type: none"> <li>1. Functional organization of the human body and control of the 'internal environment.</li> <li>2. The neuronal membrane.</li> <li>3. Generation of endogenous potentials; equation of Nerst for principal ions and leakage ion channels.</li> <li>4. Membrane potentials: action potentials and voltage-dependent channels, refractory period. Conduction of action potentials, conduction velocity as a function of axon diameter and myelin sheathing.</li> <li>5. Synapses; electric and chemical synapses. Chemical synapses: the process of neurotransmitter release, ionotropic and metabotropic receptors for neurotransmitters, post-synaptic responses in dendrites, spatial and temporal summation.</li> <li>6. Excitation of skeletal muscle: neuromuscular transmission and excitation-contraction coupling. Contraction of skeletal muscle.</li> <li>7. Spinal reflexes.</li> </ol> <p><b>II. Sensory physiology</b></p> <ol style="list-style-type: none"> <li>1. Somato-sensory and pain perception.</li> <li>2. Visual system.</li> <li>3. Acoustic system.</li> <li>4. Vestibular system.</li> <li>5. Gusto-olfactory senses.</li> </ol> <p><b>III. Motor physiology</b></p> <ol style="list-style-type: none"> <li>1. Organization of voluntary movement,</li> <li>2. Role of cerebellum and basal nuclei.</li> </ol> <p><b>IV. The circulation and the heart</b></p> <ol style="list-style-type: none"> <li>1. Composition of blood. Red blood cells.. Overview of the circulation; biophysics of pressure, flow, resistance.</li> <li>2. Cardiac muscle: the heart as a pump and function of the heart muscles.</li> <li>3. Rhythmical excitatory and conductive system of the heart.. Potentials generated by excitation of cardiomyocytes.</li> <li>4. The normal electrocardiogram.</li> <li>6. Cardiac contraction and the phases of cardiac cycle. Stroke and cardiac output.</li> </ol> <p><b>V. Respiratory system and Respiration</b></p> <ol style="list-style-type: none"> <li>1. Air flow in respiratory pathways: morphology and function of the upper airways, pharynx and larynx, different orders of bronchi, lung and alveolar cell types.</li> <li>2. Pulmonary ventilation: volumes and pulmonary capacities measured by spirometer.. Resistance through the airways.</li> <li>3. Respiration. Physical principles of gas exchange; diffusion of oxygen and carbon dioxide through the respiratory membrane.</li> <li>4. Respiration: transport of oxygen and carbon dioxide in blood and tissue fluids.</li> <li>6. Regulation of respiration by the nervous system and respiratory brain stem centers. Central detection of carbon dioxide. Peripheral regulation of respiration.</li> </ol> <p><b>VI. Principles of organization of the renal system.</b></p> <p>Renal functional anatomy, The concept of clearance. Glomerular and tubular function. The formation of urine.</p>

		<p><b>VII. Principles of organization of the endocrine system.</b></p> <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> <li>○ have <b>knowledge</b> of physiology</li> <li>○ have <b>knowledge and understanding</b> of physiological basic concepts and principles</li> <li>○ <b>understand and explain</b> physiological basic concepts and principles</li> <li>○ <b>demonstrate skill</b> in physiology and ability to illustrate physiological principles in the context of the integrative course</li> <li>○ <b>demonstrate capacity</b> for reading and understand other texts and consult scientific data-base on related topics.</li> </ul>
3	Prerequisites and learning activities	None
4	Teaching methods and language	<p>We develop didactic mechanisms to assure that the students are being inculcated with physiological basic principles and concepts at appropriate depth of understanding. All of the objectives are attained using multiple teaching formats. During the course the faculty is continuously in contact with students also using internet to discuss doubts and unclear concepts illustrated during the course.</p> <p>Meetings with faculty of other modules of the integrative course.</p> <p><b>Language:</b>The course is in Italian and, if needed, we can explain the major concepts in English</p> <p><b>Ref. Textbooks:</b>  -Germann WJ, Stanfield CL. <i>Principles of Human Physiology</i>. Benjamin-Cummings Pub Co, 2004</p>
5	Assessment methods	Final oral exam. Progress exams are also planned during the course
<b>2) ANATOMY (ECTS credits: 3)</b>		
Teacher: <b>Roberta SFERRA</b>		
1	Course objectives and Learning outcomes	The course aim is to provide knowledge regarding theoretical concepts to various human organ systems.
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- Overview of the human body and anatomic nomenclature.</li> <li>- Overview of musculoskeletal system.</li> <li>- Cardiovascular system: mediastinum, heart and great vessels. Overview of lymphatic system.</li> <li>- Respiratory system: Upper airways, trachea and bronchi. Lungs and Pleura.</li> <li>- Overview of Digestive system.</li> <li>- Urogenital system: Kidney and urinary tree. General aspects of female and male reproductive systems.</li> <li>- Endocrine system.</li> <li>- Nervous system: spinal cord and spinal nerves. Brain stem. Cerebellum. Diencephalon. Cerebral hemisphere. Cranial nerves.</li> <li>- Special senses: external, middle and inner ear. The eye. The orbit and accessory visus apparatus.</li> </ul> <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> <li>○ have <b>knowledge and understanding</b> of gross and functional anatomy of the nervous system</li> <li>○ <b>explain</b> different human body systems</li> <li>○ <b>make a judgment</b> on the involvement of different body systems</li> <li>○ <b>demonstrate skills in</b> anatomy and ability to illustrate the human organ system in the context of the integrative course</li> <li>○ <b>demonstrate capacity</b> for reading and understand other texts on related topics.</li> </ul>
3	Prerequisites and learning activities	The student must know the basic structure and function of cells and integrating cells into tissues.
4	Teaching methods and language	<p>Lectures, team work, home work.</p> <p><b>Language:</b> Italian</p> <p><b>Ref. Text books:</b>  -AA.VV. <i>Anatomia dell'uomo</i>. Edi-Ermes, 2006  -Carinci P, Gaudio E, Marinozzi G. <i>Anatomia Umana e Istologia</i>. Elsevier, 2012</p>

		-Grasso G. <i>Sistema nervoso centrale</i> . Piccin, 2013
5	Assessment methods	Oral examination

**Programme of “Valutazione in psicologia ed approccio alla psicologia clinica”  
“Psychological assessment and introduction to clinical psychology”:**

This course is composed of four Modules: 1) Informatics, 2) Clinical psychology, 3) Psychometric, 4) Medical Statistics

Number of ECTS credits: 12 (workload is 300 hours; 1 credit = 25 hours)

**D0314, Compulsory**

**1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES, 1<sup>st</sup> year, 1<sup>st</sup> semester**

**1) INFORMATICS (ECTS credits: 3)**

Teacher: Pierpaolo VITTORINI

1	Course objectives	The objective of the course is to introduce learners to the basics of health informatics.
2	Dublin descriptors	<p><b>Course content:</b></p> <ul style="list-style-type: none"> <li>- Coding systems in computer science and medicine</li> <li>- Introduction to algorithms and examples in computational epidemiology</li> <li>- Computer architectures and operating systems</li> <li>- Introduction to imaging</li> <li>- Networking Internet, telemedicine and PubMed</li> </ul> <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> <li>o have <b>knowledge and understanding</b> of basics of health informatics</li> <li>o <b>explain</b> coding systems in computer science and medicine</li> <li>o <b>demonstrate skill</b> in using medical computer resources</li> <li>o demonstrate <b>capacity</b> for reading and understand other texts on related topics.</li> </ul>
3	Prerequisites and learning activities	No prerequisites
4	Teaching methods and language	Lectures, team work, exercises, home work <b>Language:</b> Italian <b>Ref. Text book:</b> -Vittorini P. <i>L'informatica per la medicina e la sanità pubblica</i> . Edizioni L'Una. 2009.
5	Assessment methods and criteria	Written exam

**2) CLINICAL PSYCHOLOGY (ECTS credits: 3)**

Teacher: Domenico PASSAFIUME

1	Course objectives and Learning outcomes	The goal of this course is to provide the motivations, definitions and techniques for understanding the behavior of patients and the cognitive deficits that could occur. On successful completion of this module, the student should understand the fundamental concepts of Clinical Psychology, and should be aware of the potential disturbances on cognitive, behavior and emotion domain which he may face during his work.
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- Psychology and science: Methods: observation, experiment, single case examination.</li> <li>- Theory of Personality: Psychoanalysis, Behaviorism</li> <li>- Neuropsychology: Brain functions, hemispheric differentiation, cognitive abilities</li> <li>- Clinical Neuropsychology: Deficits of learning, of language, of memory, of space perception, of emotion.</li> </ul> <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> <li>o have <b>good knowledge</b> of basic techniques in Clinical Psychology</li> <li>o have <b>knowledge and understanding</b> of the consequence of organic or functional brain disease</li> <li>o <b>understand and explain</b> the meaning of complex behavior</li> <li>o <b>understand</b> the fundamental concepts of brain – behavior relations</li> <li>o <b>demonstrate skill</b> in behavior observation, ability to conceive a response to inappropriate behavior</li> </ul>

		o <b>demonstrate capacity</b> for reading and understanding other texts on related topics.
3	Prerequisites and learning activities	The student must know the basic notions of neurophysiology (brain, neurons, synapses)
4	Teaching methods and language	Lectures. <b>Language:</b> Italian <b>Ref. Text books:</b> -Fioravanti M. <i>Psicologia Clinica per I professionisti della sanità</i> , McGraw-Hill, Milano, 2009
5	Assessment methods	Written examination
<b>3) PSYCHOMETRIC (ECTS credits: 3)</b>		
Teacher: <b>Monica MAZZA</b>		
1	Course objectives and Learning outcomes	The goal of this course is to analyze the theoretical and methodological assumptions that underpin the construction and validation of tests as instruments of knowledge and measurement in psychology.
2	Dublin descriptors	<b>Topics of the module include:</b> - Introduction to statistical analysis - Reliability in psychometric testing - Validity in psychometric testing - Error in psychometric testing - Independent and dependent variables  On successful completion of this module, the student should: o <b>Understand</b> the concept of reliability and validity in psychometric tests o <b>Understand</b> about error in the psychometric testing process o <b>Consider</b> important issues in choosing the right test, publisher or distributor o <b>See a range</b> of psychometric tests and <b>understand how</b> they are used o <b>Demonstrate capacity</b> for reading and understanding other texts on related topics.
3	Prerequisites and learning activities	No prerequisites
4	Teaching methods and language	Lectures, team work, exercises <b>Language:</b> Italian <b>Ref. Text book:</b> Mucciarelli G, Chattat R, Celani G. <i>Teoria e pratica dei test</i> . Piccin, 2002. Pedrabissi L, Santinello M. <i>I test psicologici. Teorie e tecniche</i> . Il Mulino, Bologna, 1997
5	Assessment methods and criteria	Written exam
<b>4) MEDICAL STATISTICS (ECTS credits: 3)</b>		
Teacher: <b>Cinzia LEUTER</b>		
1	Course objectives and Learning outcomes	The objective of this course is to provide the students with knowledge and understanding of biostatistics and its application to health care and health services delivery. After completion of the modules students should be able to - Appreciate problems involved in data collection and management - Develop statistical methods for applications to studies in public health. - Develop skills for the interpretation of research data and provide correct information on the study results. - Participate in drawing conclusion from data and in the presentation and writing of report
2	Dublin descriptors	<b>Topics of the module include:</b> Descriptive statistics. Data types. Frequency distribution. Numerical and graphical methods for organizing and summarizing data. Means and variance. Probability. Probability distribution. Inferential Statistics. Confidence intervals. Linear regression and correlation  On successful completion of this module, the student should: o <b>Use</b> descriptive statistics to analyze categorical and continuous data o <b>Understand</b> the basic of probability theory and the most commonly used continuous probability distributions o <b>Construct</b> confidence intervals for population means and variance o <b>Interpret results</b> of data analysis and statistical tables in a variety of contexts o <b>Know when and how</b> to apply basic biostatistical methods

		o <b>Demonstrate capacity</b> for reading and understand other texts on related topics.
3	Prerequisites and learning activities	None
4	Teaching methods and language	Lectures, team work, exercises Language: Italian Reference texts: Lectures notes given by the teacher
5	Assessment methods	Written exam will be taken to evaluate the effectiveness of students learning

**Programme of “Psicologia generale e sociale”  
“General and social psychology”:**

**This course is composed of two Modules: 1) General psychology, 2) Social psychology**

**Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)**

**D0301, Compulsory**

**1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES, 1<sup>st</sup> year, 2<sup>nd</sup> semester**

**1) GENERAL PSYCHOLOGY (ECTS credits: 3)**

Teacher: **Domenico PASSAFIUME**

1	Course objectives	The goal of the course is to provide the knowledge of the fundamental principles of psychology. On successful completion of this course, the student should understand the fundamental concepts of Psychology, and should be aware of mental functions and behaviors of individuals and groups.
2	Dublin descriptors	Topics of the module include: <b>Psychology and science:</b> Methods: observation, experiment, single case examination <b>Instruments:</b> check list, inventory, test <b>Theory and School:</b> psychophysiological Psychology, Psychoanalysis, S-R, Gestalt, Cognitive Psychology <b>Brain and Behavior:</b> Central Nervous System, brain functions, hemispheric differentiation, cortical areas <b>Cognitive abilities:</b> learning, memory, language, attention, space perception, emotion <b>Cognitive Deficit:</b> aphasia, apraxia, amnesia, agnosia, visuospatial disorders, attention deficit, neglect  On successful completion of this module, the student should: - have good <b>knowledge</b> of basic methods in Psychology - have <b>knowledge and understanding</b> of the role of mental functions in individual and social behavior - <b>understand and explain</b> the meaning of individuals and groups behaviors - <b>understand</b> the fundamental concepts of physiological and biological processes that underlie cognitive functions and behaviors - <b>demonstrate skill</b> in behavior observation, - demonstrate <b>capacity</b> for reading and understand other texts on related topics.
3	Prerequisites and learning activities	No prerequisites
4	Teaching methods and language	Lectures, team work, exercises, home work Language: Italian  Ref. Text book: Gray P. <i>Psicologia</i> , Zanichelli, Bologna 2012 (or any manual of Psychology)
5	Assessment methods and criteria	Written exam

**2) SOCIAL PSYCHOLOGY (ECTS credits: 3)**

Teacher: **Mirella DEL PRINCIPE**

1	Course objectives and Learning outcomes	The goal of this course is to provide the knowledge of role of the social determinants of the development of the individual psychology in the social context. On successful completion of this module, the students should have the understanding of the concept of how people's thoughts, feelings, and behaviors are influenced by the actual,
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		imagined, or implied presence of others. Also they should demonstrate the positive and negative impact of social determinants on individual well-being, with special attention to practical applications that characterize social psychological approaches to stereotyping and prejudice.
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- Introduction to social psychology. The power of social influence. Social constructs. The main human motivations. The social psychology and the social problems</li> <li>- Social cognition; understanding ourselves and others. The need to justify our behavior</li> <li>- The attitudes; The conformism; The group processes; Interpersonal attraction</li> <li>- Pro-social behavior; Aggressiveness; Stereotypes and prejudice.</li> </ul> <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> <li>- have <b>knowledge and understanding</b> of the role of the social determinants of the development of the individual psychology in the social context</li> <li>- <b>applying and explain</b> the positive and negative impact of social determinants on individual well-being</li> <li>- <b>make a judgment</b> on how the social determinants influence the individual behavior</li> <li>- <b>demonstrate skill</b> in a positive communication without any stereotypes or prejudice</li> <li>- <b>demonstrate capacity</b> for reading and understand other texts and consult scientific data-base on related topics.</li> </ul>
3	Prerequisites and learning activities	The student must know the basic notions of neurophysiology (brain, neurons, synapses)
4	Teaching methods and language	Lectures. Language: Italian Ref. Text books: -Aronson E, Wilson TD, Akert RM. <i>Psicologia sociale</i> , Il Mulino, Bologna, 2006
5	Assessment methods	Oral exam.

<p><b>Programme of “Principi della riabilitazione psichiatrica e psichiatria”</b>  <b>“Principles of psychiatric rehabilitation and psychiatry”:</b></p>		
<p><b>This course is composed of two Modules: 1) Principles of psychiatric rehabilitation, 2) Mental disorders</b></p>		
<p><b>Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)</b></p>		
<p><b>D4164, Compulsory</b>  <b>1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES, 1<sup>st</sup> year, 2<sup>nd</sup> semester</b></p>		
<p><b>1) PRINCIPLES OF PSYCHIATRIC REHABILITATION (ECTS credits: 3)</b></p>		
<p>Teacher: Massimo CASACCHIA</p>		
1	Course objectives	<p>The goal of this course is to provide the knowledge of the fundamental principles of psychiatric rehabilitation, as the process of restoration of community functioning and well-being of an individual diagnosed with a mental disorder and who may be considered to have a psychiatric disability.</p> <p>On successful completion of this module, the students should have the understanding of the concept of functional psychiatric disability, and psychiatric rehabilitation. Also they should demonstrate the skills to assess and monitor the level of functioning and to define the personal rehabilitation goals of the users.</p>
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- The International Classification of Functioning, Disability and Health, ICF, a classification of health and health-related domains.</li> <li>- The concept of psychiatric rehabilitation: definition according to the Boston's School (Anthony &amp; Farkas) and later definitions.</li> <li>- Characteristics of the main models of psychiatric rehabilitation models: family psychoeducational treatments, social skill training, vocational rehabilitation.</li> <li>- The VADO manual: assessment of level of functioning and current social skills and definition of personal rehabilitation goals</li> <li>- The social stigma, self-stigma and “courtesy” stigma</li> <li>- Rehabilitation as an opportunity toward the personal recovery of mental illness</li> </ul> <p>On successful completion of this module, the student should:</p>

		<ul style="list-style-type: none"> <li>○ have <b>knowledge and understanding</b> of the fundamental principles of psychiatric rehabilitation and of reduced social functioning caused by mental disorders</li> <li>○ <b>understand and explain</b> the importance of individual assessment and monitoring of psychiatric rehabilitation interventions</li> <li>○ <b>make a judgment</b> on the environmental factors as fundamental to functioning and disability</li> <li>○ <b>demonstrate skill</b> in application of assessment and monitoring of level of functioning and definition of rehabilitation goals</li> <li>○ demonstrate <b>capacity</b> for reading and understand other texts and consult scientific database on related topics.</li> </ul>
3	Prerequisites and learning activities	Basic knowledge of general and social psychology
4	Teaching methods and language	<p>Lectures, team work, exercises, home work</p> <p><b>Language:</b> Italian</p> <p><b>Ref. Text book:</b></p> <p>-Andrews G., Hunt C., Jarry M., Morosini P., Roncone R., <i>Competenze di Base in Salute Mentale</i>. Centro Scientifico Editore, Torino, 2004.</p> <p>-Casacchia M., Pioli R., Rossi G. <i>Schizofrenia e cittadinanza. Manuale operativo per la riduzione dello stigma e della discriminazione</i>. Il Pensiero Scientifico, Roma, 2001</p> <p>-Lieberman R. <i>Il recovery dalla disabilità. Manuale di Riabilitazione Psichiatrica</i>. Giovanni Fioritti Editore, Roma, 2012</p> <p>-Morosini et al. <i>Valutazione Abilità, Definizione Obiettivi, VADO</i>, Erickson Editore, Trento, 1988</p> <p>-Lecture ICF notes supplied by the teacher.</p>
5	Assessment methods and criteria	Written exam
<b>2) MENTAL DISORDERS (ECTS credits: 3)</b>		
Teacher: Rita RONCONE		
1	Course objectives and Learning outcomes	<p>The goal of this course is to provide the knowledge of the organization of community-based mental health services in Italy, and of anxiety and mood disorders.</p> <p>On successful completion of this module, the students should have the understanding of the concept of mental health, and of the community-based mental health services. Also they should demonstrate the skills to apply the main cognitive-behavioral strategies in users affected by Anxiety and Mood Disorders.</p>
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- the organization of community-based mental health services in Italy;</li> <li>- introduction to cognitive-behavioral interventions (as Rational Emotional Therapy), as approach that addresses dysfunctional emotions, maladaptive behaviors and cognitive processes and contents through a number of goal-oriented, explicit systematic procedures;</li> <li>- Anxiety Disorders: clinical physiopathology, therapy and cognitive-behavioral psychosocial interventions;</li> <li>- Mood Disorders: clinical physiopathology, therapy and cognitive-behavioral psychosocial interventions.</li> </ul> <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> <li>○ have <b>knowledge and understanding</b> of the organization of the psychiatric care in Italian community-based services and of the main characteristics of anxiety and mood disorders</li> <li>○ <b>applying and explain</b> the integrated (pharmacological and psychosocial) care in anxiety and mood disorders</li> <li>○ <b>make a judgment</b> on the application of integrated care in anxiety and mood disorders</li> <li>○ <b>demonstrate skill</b> in application of the cognitive-behavioral strategies with users affected by anxiety and depression</li> <li>○ demonstrate <b>capacity</b> for reading and understand other texts and consult scientific database on related topics.</li> </ul>
3	Prerequisites and learning activities	Basic knowledge of general psychology
4	Teaching methods and language	<p>Lectures.</p> <p><b>Language:</b> Italian</p> <p><b>Ref. Text books:</b></p>

		<p>-American Psychiatric Association, <i>Manuale Diagnostico e Statistico dei Disturbi mentali IV</i> –TR, Masson, Milano, 2000</p> <p>-Di Pietro M. <i>L'ABC delle emozioni</i>. Erickson Editore, Trento, 1988.</p> <p>Morosini P. et al. <i>La Depressione. Che cosa è e come superarla</i>. Edizioni Avverbi, Roma, 2004</p> <p>-Morosini P. et al. <i>Disturbo d'ansia generalizzato. Manuale per chi soffre del disturbo</i>. Centro Scientifico Editore, Torino, 2004</p> <p>-Morosini P. et al. <i>Disturbo di panico ed agorafobia. Manuale per chi soffre del disturbo</i>. Centro Scientifico Editore, Torino, 2004</p> <p>-Morosini P. e coll. <i>Fobia sociale. Manuale per chi soffre del disturbo</i>. Centro Scientifico Editore, Torino, 2004</p>
5	Assessment methods	Oral exam.

<p><b>Programme of “Psicopatologia dello sviluppo e dell'adulto”</b>  <b>“Adult and developmental psychopathology”:</b></p>		
<p><b>This course is composed of two Modules: 1) Adult psychopathology, 2) Child Psychopathology</b></p>		
<p><b>Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)</b></p>		
<p><b>D0357, Compulsory</b>  <b>1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES, 1<sup>st</sup> year, 2<sup>nd</sup> semester</b></p>		
<p><b>1) ADULT PSYCHOPATHOLOGY (ECTS credits: 3)</b></p>		
<p>Teacher: Rita RONCONE</p>		
1	Course objectives	<p>The goal of this course is to provide the knowledge of the fundamental principles of psychopathology, as the main signs to denote behaviors or experiences which are indicative of mental illness.</p> <p>On successful completion of this module, the students should demonstrate the skills to identify psychiatric symptoms in the a clinical examination.</p>
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- the patient observation: appearance (dress; grooming; psychomotor activity; relation to the interviewer; speech; eye contact)</li> <li>- disorders of perception, disorders of thought, disorders of memory, disorders of intellectual function, disorders of emotion, disorders of consciousness - the psychiatric interview: mental state examination</li> <li>- use of the Brief Psychiatric Rating Scale, BPRS, 24-item.</li> </ul> <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> <li>o have <b>knowledge and understanding</b> of the main psychiatric signs of mental dysfunction;</li> <li>o <b>apply and explain</b> the monitoring of psychiatric symptoms, using specific rating scales;</li> <li>o <b>make a judgment</b> about the low specificity of psychiatric symptoms, often common in different mental disorders;</li> <li>o <b>demonstrate skill</b> in explaining to users and their caregivers the presence of psychiatric symptoms;</li> <li>o demonstrate <b>capacity</b> for reading and understand other texts and consult scientific data-base on related topics.</li> </ul>
3	Prerequisites and learning activities	Basic knowledge of psychology
4	Teaching methods and language	<p>Lectures, team work, exercises, home work</p> <p><b>Language:</b> Italian</p> <p><b>Ref. Text book:</b></p> <p>-<i>Psicopatologia generale</i>. In: G.B. Cassano, Tundo A. <i>Psicopatologia e Clinica Psichiatrica</i>. Utet, Torino, 2006, pp. 23-59.</p> <p>-<i>Semeiotica psichiatrica</i>. In: G.B. Cassano, P. Pancheri, L. Pavan, A. Pazzagli, L. Ravizza, R. Rossi, E. Smeraldi, V. Volterra (eds.), <i>Trattato Italiano di Psichiatria</i>, II edizione. Masson, Milano, 1999, pp. 373-393</p> <p>-Lecture notes supplied by the teacher.</p>
5	Assessment methods and criteria	Written exam

<b>2) DEVELOPMENTAL PSYCHOPATHOLOGY (ECTS credits: 3)</b>		
Teacher: Enzo SECHI		
1	Course objectives and Learning outcomes	The goal of this course is to provide the knowledge of the basis of child psychopathology in developmental age starting from the typology of disorders that can be found in children users of health services. Otherwise the students have to understand peculiar psychopathology in children with intellectual disabilities and other neurocognitive disorders and how psychopathological data can be linked to the rehabilitation programs in children and adolescents. Furthermore they should show skills in applying some simple neuropsychomotor and neurolinguistic programs in order to increase cognitive strategies in developmental disorders.
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- Developmental Specific Disorders</li> <li>- Neurocognitive learning functions in childhood</li> <li>- Specific language and communicative disorders</li> <li>- Specific learning disorders</li> <li>- Intellectual Disabilities</li> <li>- The comorbidity of specific developmental disorders and the psychopathological disorders</li> <li>- Models of rehabilitative and psychosocial interventions in children with psychopathological disorders.</li> </ul> <p>On successful completion of this module the student should:</p> <ul style="list-style-type: none"> <li>o have <b>knowledge</b> of the organization of neurocognitive profiles in children with specific disorders;</li> <li>o <b>make a selection</b> on different rehabilitative program ;</li> <li>o <b>make an evaluation</b> on the opportunity of integrated care of rehabilitation, psychological supply and pedagogical, and psychosocial intervention;</li> <li>o <b>demonstrate skill</b> in communication with young patients and their caregivers;</li> <li>o <b>demonstrate capacity</b> for reading and understand other texts and consult scientific data-base on related topics.</li> </ul>
3	Prerequisites and learning activities	Basic knowledge of general and developmental psychology
4	Teaching methods and language	<p>Lectures.  <b>Language:</b> Italian  <b>Ref. Text books:</b>            -American Psychiatric Association, <i>Manuale Diagnostico e Statistico dei Disturbi mentali V</i>, 2013            -Guidetti V. (ed.) <i>Fondamenti di neuropsichiatria dell'infanzia e dell'Adolescenza</i>. Il Mulino Bologna, 2005            -Formica M.M. <i>Trattato di neurologia riabilitativa</i>. Cuzzolin editore, Napoli, 2003</p>
5	Assessment methods	Oral exam.

<b>Programme of "Il lavoro nell'équipe e l'integrazione socio-sanitaria"</b>		
<b>"Team work and health and social integration":</b>		
This course is composed of two Modules: 1) Planning, team work and case management 2) Health and social integration		
<b>Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)</b>		
<b>D4170, Compulsory</b>		
<b>1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES, 2<sup>nd</sup> year, 1<sup>st</sup> semester</b>		
<b>1) PLANNING, TEAM WORK AND CASE MANAGEMENT (ECTS credits: 3)</b>		
Teacher: Massimo CASACCHIA		
1	Course objectives	The goal of this course is to provide the knowledge of the organization of community-based mental health services in Italy, with particular attention to case management and team work. On successful completion of this module, the students should have the understanding of the concept of assertive community treatment and programme in assertive community treatment, in comparison with Italian community based mental health services.

2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- Taking the patient in long care;</li> <li>- The organization of community-based mental health services in Italy;</li> <li>- Case-management, assertive community treatment, programme in assertive community treatment;</li> <li>- multi-professional team work (psychologists, social workers, rehabilitation technicians, psychiatrists, parents, users and general practitioner).</li> </ul> <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> <li>o have <b>knowledge and understanding</b> of the organization of the psychiatric care with particular attention to case-management, assertive community treatment, programme in assertive community treatment;</li> <li>o <b>applying the knowledge</b> to deliver the integrated assertive care in bipolar overall in patients with serious mental problems and small social network and low social economic situation;</li> <li>o <b>make a judgment</b> on the use of assertive community treatment that needs many economical funds and large resource of professional and volunteers;</li> <li>o <b>demonstrate skill</b> to communicate in simple way the different economic or psychopathological problems to multi professional workers;</li> <li>o demonstrate <b>capacity</b> for reading and understand other texts and consult scientific data-base on related topics.</li> </ul>
3	Prerequisites and learning activities	Basic knowledge of social psychology
4	Teaching methods and language	<p>Lectures Language: Italian</p> <p><b>Ref. Text book:</b> Burns T., Firm M., <i>La presa in carico intensive sul territorio. Un manuale per gli operatori di salute mentale</i>. Edizione italiana a cura di Fioriti A., Bassi M. Il Pensiero Scientifico Editore. Roma, 2003.</p>
5	Assessment methods and criteria	Written exam
<b>2) HEALTH AND SOCIAL INTEGRATION (ECTS credits: 3)</b>		
Teacher: Piera Angiola FARELLO		
1	Course objectives and Learning outcomes	<p>The goal of this course is to provide the knowledge of the integration of social, social welfare and health services in the Italian welfare system.</p> <p>On successful completion of this module, the students should know the main tools for the management of integrated services (protocols, agreements program, etc.), explore the implications of and report on the situation of integrated services with reference to the situation on the territory of belonging, and analyze issues related to the integration of social, social welfare and health services in the Italian welfare system, starting with the knowledge of the relevant legislation.</p>
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- The evolution of social policies: from the early twentieth century to the seventies. The new laws of the seventies: the reform of the health system. The problems of the new health policy. The containment of public spending and the crisis of the welfare state in the late nineties. Welfare policies: innovation and regional law framework for interventions and social services.</li> <li>- The role of local governments in the planning of social policies.</li> <li>- Reform and reorganization of social services: Law November 8, 2000, n. 328.</li> <li>- The authorization of the structures in residential and semi-residential cycle. The DPCM March,30, 2001. The Prime Ministerial Decree of May 4, 2001 n. 207. Institutions to realize the contribution to the integrated system of interventions and social services by the third sector and the private sector.</li> <li>- Integrating social care: development and enforcement activities. Standards and acts of address on social and health care. Legislative Decree June 19, 1999 and February 14, 2001 DPCM. Institutional roles in integrating social health: Region-City-Local Health Unit. Operational guidelines for the enforcement of health and social integration.</li> </ul> <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> <li>o have <b>knowledge and understanding</b> of the reform and reorganization of social services;</li> </ul>

		<ul style="list-style-type: none"> <li>○ <b>applying and explain</b> the role of citizens and social forces in the choices of local governments;</li> <li>○ <b>make a judgment</b> on issues related to the integration of social, social welfare and health services in the Italian welfare system;</li> <li>○ <b>demonstrate skill</b> in understanding and applying civil rights and social rights;</li> <li>○ demonstrate <b>capacity</b> for reading and understanding other texts and consult scientific data-base on related topics.</li> </ul>
3	Prerequisites and learning activities	Basic knowledge in social sciences and psychology
4	Teaching methods and language	<p>Lectures.  <b>Language:</b> Italian  <b>Ref. Text books:</b>          -Brizzi L, Cava F. <i>Integrating social health-the role of the social worker</i>. Carocci Faber, 2003          -Battistella A, De Ambrogio U, Ortigosa ER. <i>The Area Plan-Construction, management and evaluation</i>. Carocci Faber, 2004          -Rei D, Motta M. <i>Redial Welfare. Reasoning and materials on social and health</i>. Ed The Bookmark, Torino 2011</p>
5	Assessment methods	Written and oral exams.

## Programme of “Malattie organiche nei disturbi mentali”

### “Organic diseases in mental disorders”:

**This course is composed of two Modules: 1) General Pathology, 2) Disabling internal diseases and geriatrics**

**Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)**

**D4166, Compulsory**

**1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES, 2<sup>nd</sup> year, 1<sup>st</sup> semester**

#### **1) GENERAL PATHOLOGY (ECTS credits: 3)**

Teacher: **Andrew REAY MACKAY**

1	Course objectives	The objective of this course is to offer students an updated understanding of General Pathology. On successful completion of this module, the student should not only have a good understanding of general pathology but also a good understanding of host defence mechanisms against pathogens, the importance of the intestinal symbiotic microbiota, the inflammatory process, wound healing, chronic inflammation, and a basic understanding of the biology of cancer.
2	Dublin descriptors	<p><b>Topics of the module include:</b>          General introduction into the role of general pathology in the history of medicine. Evolution of the concept of inflammation. Stem cells, cellular mechanisms of stress-resistance, apoptosis, cellular adaptation, cellular and tissue regeneration. Pathogens. Host defence mechanisms of the skin and epithelia, Toll-like and NOD-like receptors. The Inflammasome and its role in maintaining the intestinal symbiotic microbiota. The role of the intestinal symbiotic microbiota in maintaining health and optimising immune system function. Definition and cardinal signs of acute inflammation. Cellular and non-cellular components of acute inflammation (leukocyte populations, platelets, vascular structure and function, the lymphatic system, the extracellular matrix and basement membrane, stromal and epithelial cells, and components of the nervous system). Mediators and modulators of acute inflammation, including vasoactive amines, the kinin system, the complement system, coagulation, prostaglandins, leukotrienes, lipoxins, citokines, chemokines and neuropeptides. Wound healing and scar formation. The systemic “Acute Phase” response. Chronic inflammation and the formation of abscesses, granulomas and ulcers. The inflammatory basis of chronic diseases, such as Rheumatoid arthritis, Systemic lupus erythematosus and obstructive pulmonary diseases. Modern concepts of anti-inflammatory therapy. General introduction of the biology of cancer, cancer nomenclature, oncogenes and onco-suppressors, the metastatic cascade and angiogenesis.</p> <p>On successful completion of this module the student should:</p> <ul style="list-style-type: none"> <li>○ have an updated <b>knowledge</b> of general pathology;</li> <li>○ - have <b>knowledge and understanding</b> of host defence mechanisms against pathogens - the importance of the intestinal symbiotic microbiota, the inflammatory process, wound healing, chronic inflammation, and a basic understanding of the biology</li> </ul>

		<p>of cancer;</p> <ul style="list-style-type: none"> <li>○ be able to demonstrate <b>and explain</b> this knowledge using appropriate scientific language;</li> <li>○ demonstrate <b>capacity</b> for reading and understand other texts on related topics;</li> <li>○ demonstrate <b>interest</b> to health and well-being;</li> <li>○ demonstrate <b>ability</b> to communicate key information from the field of general pathology to non-experts;</li> <li>○ be able to <b>apply and transmit</b> the fundamentals of general pathology, with particular reference to the inflammatory based disease and cancer.</li> </ul>
3	Prerequisites and learning activities	The student must have a basic knowledge of cellular biology and physiology
4	Teaching methods and language	Powerpoint presentations in Italian. <b>Language:</b> Italian, English <b>Ref. Text book:</b> -Ponieri GM., <i>Elementi di Patologia Generale/Elements of General Pathology</i> . Piccin-Nuova Libreria, 2011.
5	Assessment methods and criteria	Written test

## **2) DISABLING INTERNAL DISEASES AND GERIATRICS (ECTS credits: 3)**

Teacher: Giovambattista DESIDERI		
1	Course objectives and Learning outcomes	The course aims to provide students with a basic but accurate formation on the most relevant disabling diseases of internal medicine and geriatrics expertise, with particular attention to the ones most interesting and most frequently encountered in clinical practice.
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- the main diseases of brain and of cardiovascular, respiratory, gastrointestinal and urinary systems,</li> <li>- metabolic diseases, ischemic heart disease, heart failure, stroke, dementia, chronic obstructive pulmonary disease, asthma, inflammatory bowel disease, chronic renal failure, diabetes.</li> </ul> <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> <li>○ have <b>knowledge</b> of the most relevant diseases of brain and of cardiovascular, respiratory, gastrointestinal and urinary systems, metabolic diseases;</li> <li>○ have <b>knowledge and understanding</b> of the main clinical manifestations of the above described diseases;</li> <li>○ <b>understand and explain</b> the most relevant symptoms that could be referred and/or signs that could be presented by the patients;</li> <li>○ demonstrate <b>capacity</b> for reading and understand other texts on related topics.</li> </ul>
3	Prerequisites and learning activities	Basic knowledge of anatomy and physiology
4	Teaching methods and language	Lectures, team work and clinical practice <b>Language:</b> Italian <b>Ref. Text books:</b> Harrison, <i>Trattato di Medicina Interna</i> , Ed. M.G.H.
5	Assessment methods	Oral exam

## **Programme of "Prevenzione e servizi sanitari"**

### **"Prevention and health services":**

**This course is composed of two Modules: 1) Radiation protection, 2) Prevention, health education and life-style**

**Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)**

**D4168, Compulsory**

**1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES, 2<sup>nd</sup> year, 1<sup>st</sup> semester**

### **1) RADIATION PROTECTION (ECTS credits: 3)**

Teacher: Carlo MASCIOCCHI

1	Course objectives	The objectives of the course is to provide the students with medical information about the use of ionizing and non-ionizing radiation and methods to protect from them, according to the actual Italian law.
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- principles of physics of ionizing radiations</li> <li>- biological effects due to interaction with living matter</li> <li>- radiation effects</li> <li>- exposure of population to ionizing radiation</li> <li>- sources of ionizing radiation in radiological practice and principles of image production</li> <li>- measures of ionizing radiation</li> <li>- principle of radiation protection</li> <li>- Italian directive on radiation protection of workers and population</li> <li>- health protection of individuals against the dangers of ionizing radiation in relation to medical exposure</li> <li>- general principles of protection in relation to practices with employment of radiological equipment</li> </ul> <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> <li>o have <b>knowledge and understanding</b> of ionizing and non-ionizing radiation;</li> <li>o <b>understand and explain</b> the rules of radiation protection;</li> <li>o <b>be able to apply</b> appropriate protection measures in the professional life;</li> <li>o have <b>capacity to assess and evaluate</b> the risks related to their profession.</li> </ul>
3	Prerequisites and learning activities	None.
4	Teaching methods and language	Lectures. <b>Language:</b> Italian, English <b>Ref. Text book:</b> -Di Cesare E, Gallicchi P, Midiri M. <i>La Radioprotezione in Radiologia</i> . Casa Editrice Idelson-Gnocchi, 2010
5	Assessment methods and criteria	Written test

## **2) PREVENTION, HEALTH EDUCATION AND LIFE-STYLE (ECTS credits: 3)**

Teacher: Leila FABIANI		
1	Course objectives and Learning outcomes	<p>The goal of this course is to provide global information about the prevention activities in the National Health Service, the prevention of diseases, mainly by the lifestyle intervention and behavioral change, the control of risk factors in the population, the counteract of health inequalities.</p> <p>On successful completion of this course, the student should know the organization of prevention activities and be able to interact effectively with the Department of Prevention, schedule and participate in activities to promote health; should know the origin of health inequalities, and how to monitor and tackle them in their work.</p>
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- The organization of prevention activities in the National Health Services;</li> <li>- the epidemiological method in the evaluation of health;</li> <li>- models of disease and prevention strategies;</li> <li>- epidemiology and prevention of infectious diseases;</li> <li>- behavioral risk factors: prevention and control;</li> <li>- environmental risk factors;</li> <li>- health inequalities; health promotion.</li> </ul> <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> <li>o have a good <b>knowledge</b> of organization and functioning of preventive services in the National Health Service;</li> <li>o have <b>knowledge and understanding</b> of prevention strategy in the different models of diseases;</li> <li>o demonstrate <b>ability to draft</b> educational preventive activities and survey;</li> <li>o demonstrate <b>capacity for critical appraisal</b> of further knowledge.</li> </ul>
3	Prerequisites and learning activities	Basic biomedical knowledge are sufficient.

4	Teaching methods and language	Lectures, Slides and exercises. Language: Italian / English Ref. Text books: Barbuti S, Fara GM, Giammanco G, Carducci A, Coniglio MA; D'Alessandro D, Montagna MT, Tanzi ML, Zotti CM. <i>Igiene</i> . Monduzzi editore, Milano 2011 Lemma P. <i>Promuovere salute nell'era della globalizzazione. Una nuova sfida per «antiche» professioni</i> . Unicopli, Milano 2005
5	Assessment methods	Oral exam

<p><b>Programme of “Psicofarmaci ed interventi psicosociali nei trattamenti integrati basati sulle evidenze”</b></p> <p><b>"Psychodrug and psychosocial interventions in evidence-based integrated treatments”:</b></p>		
<p><b>This course is composed of two Modules: 1) Psychodrug, 2) Psychoeducational interventions and social skill training</b></p>		
<p><b>Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)</b></p>		
<p><b>D4171, Compulsory</b>  <b>1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES, 2<sup>nd</sup> year, 1<sup>st</sup> semester</b></p>		
<p><b>1) PSYCHODRUG (ECTS credits: 3)</b></p>		
<p>Teacher: <b>Roberto MAGGIO</b></p>		
1	Course objectives and Learning outcomes	The goal of this module is to introduce the student to fundamental concept of drug action at the molecular and cellular level and the principles guiding and affecting the ability of the psychodrugs to produce therapeutic benefit or untoward effects.
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <p><u>General pharmacology</u></p> <ul style="list-style-type: none"> <li>- targets for drug action: receptors, ion channels, enzymes, carriers molecules, pumps and signal transducers.</li> <li>- principles of pharmacological intervention on excitability and synaptic transmission</li> <li>- pharmacological intervention on cholinergic transmission.</li> <li>- pharmacological intervention on transmission mediated by catecholamines</li> <li>- pharmacological intervention on serotonergic transmission :</li> <li>- pharmacological intervention on transmission mediated by amino acids;</li> <li>- pharmacological intervention on transmission mediated by opioid peptides</li> </ul> <p><u>Neuropharmacology</u></p> <ul style="list-style-type: none"> <li>- drugs for the treatment of epilepsy</li> <li>- drugs for the treatment of neurodegenerative diseases</li> <li>- drugs for the treatment of anxiety and insomnia</li> <li>- drugs for the treatment of depression</li> <li>- drugs for the treatment of psychoses</li> <li>- drugs for the treatment of migraine</li> </ul> <p><u>Toxicology</u></p> <ul style="list-style-type: none"> <li>- general principles of addiction;</li> <li>- drugs of abuse</li> </ul> <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> <li>o <b>have knowledge and understanding</b> of the psychodrug therapeutic and untoward effects;</li> <li>o <b>explain</b> the importance of drug administration in serious mental disorders;</li> <li>o <b>acquire</b> the principle that pharmacological intervention should be constantly subjected to critical review in relation to the occurrence of side effects or toxic effects and the availability of new active ingredients that represent a real therapeutic advantage;</li> <li>o <b>demonstrate capacity</b> for reading and understand other texts and consult scientific database on related topics.</li> </ul>
3	Prerequisites and learning activities	Basic knowledge of anatomy, physiology, cell biology and biochemistry.
4	Teaching methods and language	Lectures in classroom. Language: Italian, English.

		<p>Ref. Text books:</p> <p>-Katzung BG, Masters SB., Trevor AJ. <i>Basic and Clinical Pharmacology</i>. Mc Graw Hill 12<sup>th</sup> Edition, 2012</p> <p>-Brunton L, Chabner BA, Knollman B. <i>Goodman and Gilman's. The Pharmacological Basis of Therapeutics</i>, McGraw-Hill, 2010</p>
5	Assessment methods	Oral exam
<b>2) PSYCHOEDUCATIONAL INTERVENTIONS AND SOCIAL SKILL TRAINING (ECTS credits: 3)</b>		
Teacher: Rita RONCONE		
1	Course objectives and Learning outcomes	<p>The goal of this module is to provide the rationale, the state of the art and the techniques for the application of evidence-based psychosocial interventions with users affected by serious mental disorders and their caregivers.</p> <p>On successful completion of this module, the student should understand the fundamental concepts of integrated psychosocial treatments and should be able to conduct them (administration of information programmes, early signs identification, communication skills, application of structured problem-solving, social skill training).</p>
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <p>-Integrated (pharmacological and psychosocial) treatments in mental disorders.</p> <p>-Cognitive-behavioral family treatments: psychoeducational programmes on mental disorders.</p> <p>-The integrated psychoeducational treatment based on problem-solving and individual goals of users and caregivers (according to Ian Falloon, 1993). Methodology. Randomized Controlled Studies.</p> <p>-Application of a manualized cognitive-behavioral intervention in psychiatric wards, according to the Vendittelli et al. (2003) methodology.</p> <p>-Social skills training. Methodology. Randomized Controlled Studies.</p> <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> <li>o have <b>knowledge and understanding</b> of the need of the involvement in the treatments of the users affected by serious mental disorders and their caregivers, suffering the burden of care;</li> <li>o <b>explain</b> the importance of integrated (pharmacological and psychosocial) care in serious mental disorders;</li> <li>o <b>making a judgment</b> on the dichotomy between evidence-based psychosocial treatments and "real world" treatments;</li> <li>o <b>demonstrate skill</b> in application of the cognitive-behavioral psychoeducational interventions with users affected by serious mental disorders and their caregivers;</li> <li>o demonstrate <b>capacity</b> for reading and understand other texts and consult scientific database on related topics.</li> </ul>
3	Prerequisites and learning activities	Basic knowledge of neuroanatomy and clinical psychiatry
4	Teaching methods and language	<p>Lectures in classroom.</p> <p><b>Language:</b> Italian, English</p> <p><b>Ref. Text books:</b></p> <p>-Bellack A., Mueser K., Gingerich S., Agresta J. <i>Social Skills Training per il trattamento della schizofrenia. Guida pratica</i>. Edizione Italiana a cura di Nicolò G. Centro Scientifico Editore, Torino, 2003</p> <p>-Falloon I. <i>Intervento Psicoeducativo Integrato in Psichiatria. Guida al lavoro con le famiglie</i>. Centro Studi Erickson eds., 1993</p> <p>-Falloon I. <i>Il trattamento Integrato per le Malattie Mentali. Vol. I, II</i> Ecomind, Salerno, 2000.</p> <p>-Vendittelli N., Veltro F., Oricchio I., Bazzoni A., Rosicarelli M.L., Polidori G., Morosini P.L. <i>L'intervento cognitivo-comportamentale di gruppo nel Servizio psichiatrico di Diagnosi e Cura</i>. Centro Scientifico, Torino, 2003.</p>
5	Assessment methods	Oral exam.

## Programme of "Tecniche di pronto soccorso"

### "Techniques of first aid":

**This course is composed of two Modules: 1) Basic Life Support, 2) First aid in everyday life**

<b>Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)</b>		
<b>D2860, Compulsory</b>		
<b>1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES, 2<sup>nd</sup> year, 2<sup>nd</sup> semester</b>		
<b>1) BASIC LIFE SUPPORT (ECTS credits: 3)</b>		
Teacher: Alba PIROLI		
1	<b>Course objectives and Learning outcomes</b>	The goal of this course is ensure that students acquire and retain skill and knowledge that will enable them to act correctly in cardiac and respiratory emergencies.
2	<b>Dublin descriptors</b>	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- First Aid: aims and organization</li> <li>- 118 organization in Italy</li> <li>- First Aid Activity</li> <li>- Emergency Department organization</li> <li>-Triage</li> <li>- Altered state of consciousness</li> <li>- Trauma</li> <li>- Shock</li> <li>- Altered state of breath</li> <li>- Altered state cardiocirculatory</li> <li>- Vital parameters monitoring</li> <li>- Venous access</li> <li>- Mask ventilation</li> <li>- Endotracheal Intubation</li> <li>- Upper airway obstruction</li> <li>- Basic Life Support (BLS)</li> </ul> <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> <li>o have <b>knowledge</b> of cardiac, respiratory physiopathology, cerebral blood flow physiopathology, head trauma physiopathology;</li> <li>o have <b>knowledge</b> of pharmacology principles;</li> <li>o have <b>knowledge</b> of Emergency Department organization;</li> <li>o <b>understand</b> finally the entity, severity, priority of the emergency;</li> <li>o demonstrate <b>skills</b> in noninvasive airway management and ability to perform chest compression, and to use AED</li> </ul>
3	<b>Prerequisites and learning activities</b>	The students must know some principles of Anatomy, Cardiovascular and Respiratory Physiology and Pharmacology
4	<b>Teaching methods and language</b>	Lectures and practice in BLSD <b>Language:</b> Italian <b>Ref. Text books:</b> Teacher notes
5	<b>Assessment methods</b>	Written exam. Optional further oral questions, on the most important issues, to improve evaluation.
<b>2) FIRST AID IN EVERYDAY LIFE (ECTS credits: 3)</b>		
Teacher: Loreto LANCIA		
1	<b>Course objectives and Learning outcomes</b>	The goal of this course is to provide the necessary skills and knowledge for the provision of initial care to a sick or injured person until medical treatment accessed.
2	<b>Dublin descriptors</b>	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>-basic clinical assessment; concept of critical care setting; organization of care and main nursing diagnosis in critical care settings; sudden death treatment (BLSD, ALS) and management;</li> <li>-first aid interventions: burns, minor trauma, accidental intoxications, electrocution, bleeding, wounds; network of emergency medical systems.</li> </ul> <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> <li>o have <b>knowledge and understanding</b> of first aid interventions;</li> <li>o <b>explain</b> the concept of critical care setting;</li> <li>o <b>make judgment</b> on first aid interventions;</li> <li>o <b>demonstrate skill</b> to perform a series of simple and, in some cases, potentially life-saving techniques;</li> </ul>

		o demonstrate <b>capacity</b> for reading and understand other texts on related topics.
3	Prerequisites and learning activities	Basic knowledge of human anatomy and physiology.
4	Teaching methods and language	Lectures in classroom. Language: Italian Ref. Text books: -Pulcini A., Fattorini F., Valeo M., Muscaritoli M. <i>Primo Soccorso</i> . Piccin, 2012
5	Assessment methods	Written and oral exams

**Programme of “Disabilità e riabilitazione in neurologia e neuropsichiatria infantile”**

**“Disability and Rehabilitation in Neurology and Child Neuropsychiatry”:**

This course is composed of two Modules: 1) Disability in neurological diseases, 2) Disabilities in childhood and adolescence

**Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)**

**D4173, Compulsory**

**1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES, 2<sup>nd</sup> year, 2<sup>nd</sup> semester**

**1) DISABILITY IN NEUROLOGICAL DISEASES (ECTS credits: 3)**

Teacher: Carmine MARINI

1	Course objectives and Learning outcomes	The goal of this course is to provide the knowledge of the basic concept of neurological disorders, correlated psychiatric symptoms and disability.
2	Dublin descriptors	<p><b>Topics of the module include:</b> Stroke, dementia, Parkinson disease, multiple sclerosis, epilepsy, headache, peripheral nerve and muscle diseases.</p> <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> <li>o have <b>profound knowledge</b> of psychiatric symptoms of principal neurological diseases;</li> <li>o have <b>knowledge and understanding</b> of how to differentiate neurological and psychiatric causes of symptoms;</li> <li>o <b>understand and explain</b> disability in neurological diseases;</li> <li>o <b>demonstrate skill</b> in assessing neurological diseases and ability to make differential diagnosis;</li> <li>o <b>demonstrate capacity</b> for reading and understand other texts on related topics.</li> </ul>
3	Prerequisites and learning activities	The student must have basic knowledge of neurological disorders
4	Teaching methods and language	Lectures, team work, exercises, homework, report Language: Italian Ref. Text books: -Loeb and Favale: Neurologia. SEU Ed..
5	Assessment methods	Written and oral exam, short report

**2) DISABILITIES IN CHILDHOOD AND ADOLESCENCE (ECTS credits: 3)**

Teacher: Elisabetta TOZZI

1	Course objectives and Learning outcomes	The goal of this course is to provide 1) the knowledge of the basic concept of disorders, disability, and handicap and 2) capacity to learn an exhaustive evaluation of psychomotor neurolinguistic, cognitive and communicative behavior in children, 3) ability to assimilate an neuropsychomotor rehabilitative program in children according to individual profiles.
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- Maturation and learning of motor development. The concept of praxis development in children according to neuropsychology and developmental psychology.</li> <li>- The so called minimal brain damage and minor neurological disorder. Neurological exam and motor evaluations.</li> <li>- Cerebral paralysis and other motor disabilities in children.</li> <li>- Autism spectrum disorder.</li> <li>- Intellectual disability.</li> </ul>

		<p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> <li>o have <b>profound knowledge</b> of the development of psychomotor steps, language steps and communicative and affective competences in children;</li> <li>o have <b>knowledge and understanding</b> of the differences between motor delay and neuropsychomotor disorders;</li> <li>o <b>understand and explain</b> some cognitive interventions to reduce maladaptive behaviors and to suggest educational approach to the family;</li> <li>o <b>understand and decide</b> which type of neuropsychomotor program must be used according to the type of disorder;</li> <li>o <b>demonstrate skills</b> in communication and in increasing verbal and non verbal communication in young patients and their caregivers;</li> <li>o <b>demonstrate capacity</b> for reading and understand other texts on related topics.</li> </ul>
3	Prerequisites and learning activities	The student must know developmental psychology, some basic knowledge on psychopharmacologic therapy
4	Teaching methods and language	<p>Lectures in classroom.</p> <p><b>Language:</b> Italian</p> <p><b>Ref. Text books:</b></p> <ul style="list-style-type: none"> <li>-Formica MM (ed.) <i>Trattato di Neurologia Riabilitativa</i>, Cuzzolin Napoli 2003</li> <li>-APA, <i>Diagnostic and Statistical Manual of Mental Disorders</i>, DSM5 2013</li> <li>-Camerini GB e Sechi E. (eds.) <i>Riabilitazione psicosociale nell'infanzia e nell'adolescenza</i>, Maggioli Santarcangelo di Romagna, 2010</li> </ul>
5	Assessment methods	Oral exam, short clinical reports.

**Programme of "Tecniche di Espressione Corporea"  
"Techniques of Body Expression":**

**This course is composed of two Modules: 1) Theatrical entertainment in psychiatric rehabilitation, 2) Music Therapy In Psychiatric Rehabilitation**

**Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)**

**D4174, Compulsory**

**1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES, 2<sup>nd</sup> year, 2<sup>nd</sup> semester**

**1) THEATRICAL ENTERTAINMENT IN PSYCHIATRIC REHABILITATION (ECTS credits: 3)**

Teacher: Maria Cristina GIAMBRUNO

1	Course objectives and Learning outcomes	<p>The goal of this module is to provide the knowledge of the history of the theatre and its educational and psychological functions in people with mental disorders.</p> <p>On successful completion of this module, the student should understand the role of theatrical entertainment to improve both his self-expressive competences and the body expressive competence of people with mental disorders.</p>
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <p><b>Theory:</b></p> <ol style="list-style-type: none"> <li>1. The theater: history of theater; psychological and educational function of the theater;</li> <li>2. Theatrical entertainment: characters and methodology, dramatization and improvisation;</li> <li>3. The art of miming; psychological and educational function of the body expression.</li> </ol> <p><b>Practical exercises:</b></p> <ol style="list-style-type: none"> <li>1. The body organization;</li> <li>2. Concentration exercises;</li> <li>3. The body expression: the facial mask, the mirror, the multiple mirror, flashes, sculptural scenes, mood scenes;</li> <li>4. Exercises of composition;</li> <li>5. Study of the structure and analysis of a theatrical text, aimed to the mise-en-scene.</li> </ol> <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> <li>o have <b>knowledge and understanding</b> of the educational and psychological functions of the theater Techniques and Tools;</li> <li>o <b>applying and explain</b> the importance of theatrical entertainment in order to improve the expressive competence of people with mental disorders;</li> <li>o <b>understand</b> the benefits and the limitations of the theatrical involvement of the users;</li> <li>o <b>demonstrate skill</b> in expressing verbal and nonverbal feelings and better understanding</li> </ul>

		the inner world of the users affected by serious mental disorders; o demonstrate <b>capacity</b> for reading and understand other texts and consult scientific database on related topics.
3	Prerequisites and learning activities	Basic knowledge of psychology
4	Teaching methods and language	Lectures in classroom. <b>Language:</b> Italian. <b>Ref. Text books:</b> -AA.VV. <i>Educazione attraverso il teatro</i> . Emme Edizioni, 1979 -Kast V. <i>Le fiabe che curano</i> . Red Edizioni, 2006 -Lecoq J. <i>Il corpo poetico</i> . Ubulibri, 2000 -Moreno J.L. <i>Il teatro della spontaneità</i> . Guaraldi Editore, Firenze, 1980a -Pozzi E., Minoia V. (a cura di) <i>Di alcuni teatri delle diversità</i> . Anc Edizioni, Cartoceto, 1999 -Renaud CP. <i>Espressione corporea</i> (linguaggio del silenzio). Edizioni del Corpo, Milano, 1978
5	Assessment methods	Oral exam and mise-en-scene of the text analyzed during the teaching module
<b>2) MUSIC THERAPY IN PSYCHIATRIC REHABILITATION (ECTS credits: 3)</b>		
Teacher: Stefania GIANNI		
1	Course objectives and Learning outcomes	The goal of this module is to provide the knowledge of the history of the music therapy and the benefits of the music on well-being in people with mental disorders. On successful completion of this module, the student should knowledge the different instruments and the different consequences of the sounds on central nervous system on mental activity in people with mental disorders.
2	Dublin descriptors	<b>Topics of the module include:</b> The setting in Music Therapy; the Operating Group of Instrument; the classification of musical instruments; the space and the use of the space; the nonverbal context; the principle of ISO, i.e. musical sound identity which characterizes or identifies all human beings independently from their social, cultural, historical and psycho-physical context. The sound and musical production; the protocols; the instructions in music therapy.  On successful completion of this module, the student should: o have <b>knowledge and understanding</b> of the history of music therapy and the influence of music in the modification of feelings and emotions; o <b>applying and explain</b> the importance of music therapy in order to improve the expressive competence of people with mental disorders; o <b>understand</b> the therapeutic role of music in different settings and in different disorders, identifying the benefits and the limitations of the music therapy with users; o <b>demonstrate skill</b> in expressing nonverbal feelings and better understanding the inner world of the users affected by serious mental disorders; o demonstrate <b>capacity</b> for reading and understand other texts and consult scientific database on related topics.
3	Prerequisites and learning activities	Basic knowledge of psychology
4	Teaching methods and language	Lectures. <b>Language:</b> Italian <b>Ref. Text books:</b> -Benenzon RO, Wagner G, Gainza VH. <i>La nuova musicoterapia</i> , Il Minotauro, Roma, 2006, chapter I - II -III.
5	Assessment methods	Oral exam.

**Programme of “Principi di management sanitario ed aspetti medico-legali”  
“Principles of health management and Forensic Medicine”:**

**This course is composed of two Modules: 1) Health Business Administration, 2) Forensic Medicine**

**Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)**

**D2866, Compulsory**

**1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES, 3<sup>rd</sup> year, 1<sup>st</sup> semester**

### 1) HEALTH BUSINESS ADMINISTRATION (ECTS credits: 3)

Teacher: Lorena LATTANZI		
1	Course objectives and Learning outcomes	The goal of this course is to provide the knowledge of the structural and financial organization of the National Health Services, NHS, and the patterns of regional funding. On successful completion of this module, the students should analyze simple financial projects, based on health care organization.
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- Institutional development of the Italian national health system in the economic and corporate perspective;</li> <li>- Right to health and public health services;</li> <li>- Evolution of the institutional model in Italy: the three reforms;</li> <li>- Health care organizations as "public companies for the production of health services";</li> <li>- Health care system as a system of independent companies: the Italian scene;</li> <li>- The financing system and the logic programming in health;</li> <li>- Funding mechanism of the National Health Service; The patterns of regional funding;</li> <li>- The projects of the National Health Service: Programming and planning in health care;</li> <li>- Organizational profiles and management in healthcare organizations;</li> <li>- Departments in health care organizations;</li> <li>- Economic measures in the public health-care; Business strategies;</li> <li>- Information systems and control in health care organizations;</li> <li>- Reporting and corporate communication and management in healthcare;</li> <li>- System of general and analytical accounting;</li> <li>- Financial statements in health care organizations: function and patterns of preparation</li> <li>- Budget in health care organizations;</li> <li>- Exercises: analysis of specific financial projects.</li> </ul> <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> <li>o have <b>knowledge and understanding</b> of the structural and financial organization of the National Health Services and the patterns of regional funding;</li> <li>o <b>explain</b> the concept of health care organizations as "public companies for the production of health services";</li> <li>o <b>make judgment</b> on simply specific financial projects;</li> <li>o <b>demonstrate skill</b> in examining the Department budget with other mental health professionals;</li> <li>o demonstrate <b>capacity</b> for reading and understand other texts and consult scientific data-base on related topics.</li> </ul>
3	Prerequisites and learning activities	None.
4	Teaching methods and language	Lectures, exercises. <b>Language:</b> Italian <b>Ref. Text book</b> -Zangrandi A. <i>Economia e Management per le Professioni Sanitarie</i> . Ed. Mc Graw Hill,2010 -Achard PO, Castello V, Profili S. <i>Il governo del processo strategico nelle aziende sanitarie</i> . Franco Angeli, latest edition.
5	Assessment methods	Written and oral exams.

### 2) FORENSIC MEDICINE (ECTS credits: 3)

Teacher: Elio NARDECCHIA		
1	Course objectives and Learning outcomes	The goal of this course is to provide the knowledge of the main principles of bioethics and forensic medicine. On successful completion of this module, the students should demonstrate skill in reading medical information into a legal framework and make judgments on basic bioethics and professional ethic issues.
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>-The forensic medicine as a meeting point between medicine and law. Causation. Basics of bioethics and professional ethic. Informed consent. The professional secret and the privacy. The report. Failure to assistance.</li> <li>-The professional liability within the sanitary activities. The sanitary documentation, legal nature, connected crimes; Risk management.</li> </ul>

		<p>-Nods of criminal Law: imputability and liability. The crimes: concept, classification of the crimes and the constitutive elements. The bodily harm.</p> <p>-Nods of civil law: civil capacity</p> <p>On successful completion of this module, the student should</p> <ul style="list-style-type: none"> <li>o have <b>knowledge and understanding</b> of the basic principles of bioethics and forensic medicine;</li> <li>o have <b>ability to explain</b> the main case-studies <b>and to apply</b> scientific and medical knowledge to legal problems,</li> <li>o <b>make judgment</b> on basic bioethics and professional ethic issues,</li> <li>o <b>demonstrate skill</b> in reading medical information into a legal framework,</li> <li>o demonstrate <b>capacity</b> for reading and understand other texts on related topics.</li> </ul>
3	Prerequisites and learning activities	None
4	Teaching methods and language	<p>Lectures.</p> <p><b>Language:</b> Italian, English</p> <p><b>Ref. Text books:</b></p> <p>-Feola T, Arcangeli M, Nardecchia E. <i>Appunti di medicina legale</i>. Minerva Medica, febbraio 2014</p> <p>-Arbarello P, Feola T, Arcangeli M, Vaccaro M. <i>Medicina Legale per le Professioni Sanitarie. Diritto. Deontologia. Legislazione Sociale</i>. Minerva Medica 2010</p>
5	Assessment methods	Oral exam.

<p><b>Programme of “Valutazione degli esiti degli interventi riabilitativi in psichiatria”</b>  <b>“Assessment of psychiatric rehabilitation interventions outcomes”:</b></p>		
<p><b>This course is composed of two Modules: 1) Assessment of psychosocial interventions, 2) Psychiatry I</b></p>		
<p><b>Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)</b></p>		
<p><b>D4176, Compulsory</b>  <b>1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES, 3<sup>rd</sup> year, 1<sup>st</sup> semester</b></p>		
<p><b>1) ASSESSMENT OF PSYCHOSOCIAL INTERVENTIONS (ECTS credits: 3)</b></p>		
<p>Teacher: Rita RONCONE</p>		
1	Course objectives and Learning outcomes	<p>The goal of this course is to provide the knowledge of the multidimensional outcomes in mental health care. Also the course is aimed to provide knowledge of principles of health care quality assessment, with special attention to the quality of mental health care services.</p> <p>On successful completion of this module, the students should have the understanding of the multidimensional outcomes for mental health care users and their caregivers and should demonstrate the skills to use simple clinical indicators of the quality of health services provision.</p>
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <p>Evidence-Based Medicine, EBM. Use of scientific data-base. Principles for assessment of patient outcomes in mental health care. Multidimensional outcomes in psychiatric rehabilitation. Reading and analysis of main literature studies on EBM psychosocial interventions.</p> <p>Principles of health care quality assessment. Quality continuous improvement process. Clinical indicators.</p> <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> <li>o have <b>knowledge and understanding</b> of multidimensional outcomes in psychiatric rehabilitation and principles of health care quality assessment;</li> <li>o <b>explain and apply</b> simple clinical indicators;</li> <li>o <b>make judgment</b> on quality of care of health services provision;</li> <li>o <b>demonstrate skill</b> in application of multidimensional outcomes instruments for users and caregivers;</li> <li>o demonstrate <b>capacity</b> for reading and understand other texts and consult scientific data-base on related topics.</li> </ul>
3	Prerequisites and learning activities	Knowledge of medical statistics

4	Teaching methods and language	Lectures, exercises. <b>Language:</b> Italian <b>Ref. Text books:</b> -Donabedian A. <i>Il Maestro e le margherite. La qualità dell'assistenza sanitaria secondo Avedis Donabedian</i> . Ediz. Italiana Rodella S. Il Pensiero Scientifico Editore, Roma, 2010 -Focarile F. <i>Indicatori di Qualità nell'Assistenza Sanitaria</i> . Centro Scientifico Editore, Torino, 1998 -Morosini P., Roncone R., Casacchia M. <i>Qualità dei servizi di salute mentale. Manuale-questionario per la formazione organizzativa, l'autovalutazione e l'accreditamento professionale fra pari</i> . Il Pensiero Scientifico Editore, Roma, 2000. -Morosini P. <i>Griglie di valutazione in Sanità. Miglioramento Continuo di Qualità, valutazione di efficacia degli interventi e gestione aziendale</i> . Centro Scientifico Editore, Torino, 2000
5	Assessment methods	Written and oral exams
<b>2) PSYCHIATRY I (ECTS credits: 3)</b>		
Teacher: Massimo CASACCHIA		
1	Course objectives and Learning outcomes	The goal of this course is to provide the knowledge of the organization of community-based mental health services oriented to early onset of psychiatric disorders, with special attention to affective and non-affective psychotic disorders. On successful completion of this module, the students should have the understanding of the concept of mental health in young people, knowing the main psychopharmacological and psychosocial intervention administered in early onset psychiatric disorders.
2	Dublin descriptors	<b>Topics of the module include:</b> - The organization of community-based mental health services in Italy oriented to early onset psychiatric disorders; - Vulnerability-stress model: risk factors, premorbid and prodromal phase of early onset mental disorders and early interventions; - Bipolar Disorders: clinical picture, therapy and cognitive-behavioral psychosocial interventions; - Non-affective psychotic disorders: clinical picture, therapy and cognitive-behavioral psychosocial interventions.  On successful completion of this module, the student should: o have <b>knowledge and understanding</b> of the organization of the psychiatric care in Italian community-based services for early onset psychiatric disorders; o be able to <b>apply the knowledge and explain</b> the provision of integrated (pharmacological and psychosocial) care in early onset bipolar and non-affective psychotic disorders; o <b>make a judgment</b> about the use of psychopharmacological therapy in early onset psychopathological pictures in late adolescents and young subjects; o <b>demonstrate skill</b> in applying the cognitive-behavioral strategies with early onset users; o demonstrate <b>capacity</b> for reading and understand other texts and consult scientific database on related topics.
3	Prerequisites and learning activities	Knowledge of cognitive behavioral strategies
4	Teaching methods and language	Lectures. <b>Language:</b> Italian, English <b>Ref. Text books:</b> -Edwards J., Mc Gorry P.D., <i>Intervento precoce nelle psicosi. Guida per l'organizzazione di servizi efficaci e tempestivi</i> . Centro Scientifico Editore, Torino, 2004. -Altamura A.C., Bogetto F., Casacchia M., Muscettola G., Maj M., <i>Manuale di terapia psichiatrica integrata. Riabilitazione e trattamento dei quadri sindromici</i> . Vol. 2. Il Pensiero Scientifico Editore, Roma, 2012.
5	Assessment methods	Written and oral exams

**Programme of “Metodologia scientifica e ricerca psicosociale”**  
**“Scientific methodology and psychosocial research”:**

This course is composed of two Modules: 1) Psychiatry II, 2) Psychotherapeutic strategies of cognitive rehabilitation

Number of ECTS credits: 6 (workload is 150 hours; 1 credit = 25 hours)

D2882, Compulsory

1<sup>st</sup> Cycle Degree in PSYCHIATRIC REHABILITATION TECHNIQUES, 3<sup>rd</sup> year, 2<sup>nd</sup> semester

**1) PSYCHIATRY II (ECTS credits: 3)**

Teacher: Massimo CASACCHIA

1	Course objectives and Learning outcomes	The goal of this course is to provide the knowledge of personality disorders. On successful completion of this module, the students should have the understanding of the psychiatric personality disorders, including integrated treatments (psychopharmacological and psychosocial interventions).
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <ul style="list-style-type: none"> <li>- Personality Disorders: clinical picture, therapy and cognitive-behavioral psychosocial interventions and its assessment evaluation techniques;</li> <li>- Structured Clinical Interview for DSM: SCID II interview</li> </ul> <p>On successful completion of this module, the student should:</p> <ul style="list-style-type: none"> <li>- have <b>knowledge and understanding</b> of the main characteristics of personality disorders;</li> <li>- be able to <b>apply the knowledge and explain</b> the integrated (pharmacological and psychosocial) care in personality disorders in connection to psychiatric professional;</li> <li>- <b>make a judgment</b> on the use of psychopharmacological therapy in psychopathological picture in late adolescent and young man;</li> <li>- <b>demonstrate skill</b> in application of the cognitive-behavioral strategies with users affected by personality disorders;</li> <li>- demonstrate <b>capacity</b> for reading and understand other texts and consult scientific data-base on related topics.</li> </ul>
3	Prerequisites and learning activities	Knowledge of general psychology and central nervous system physiology
4	Teaching methods and language	<p>Lectures, team work, exercises, home work            Language: Italian</p> <p><b>Ref. Text book</b>            American Psychiatric Association, <i>Diagnostic and Statistical Manual of Mental Disorders-V</i>, Arlington, VA, American Psychiatric Association, 2013            Structured Clinical Interview for DSM, axis II (SCID-II)</p>
5	Assessment methods	Written exam

**2) PSYCHOTHERAPEUTIC STRATEGIES OF COGNITIVE REHABILITATION (ECTS credits: 3)**

Teacher: Rita RONCONE

1	Course objectives and Learning outcomes	The goal of this course is to provide the knowledge of profound and disabling cognitive deficits that impair daily functioning and contribute most to chronic disability in users affected by psychosis. The course is aimed to provide knowledge of cognitive behavioral strategies treating cognitive and metacognitive deficits, and psychotic symptoms. On successful completion of this module, the students should have the understanding of the concept of cognitive and metacognitive remediation and should demonstrate the skills to apply the main techniques of cognitive and meta-cognitive rehabilitation.
2	Dublin descriptors	<p><b>Topics of the module include:</b></p> <p>Cognitive remediation interventions in psychosis:</p> <ul style="list-style-type: none"> <li>- Integrated Psychological Therapy (IPT, Brenner et al., 1997)</li> <li>- Cognitive Remediation Therapy (Wykes et al.)</li> <li>- Integrated Neurocognitive Therapy (Roder et al.)</li> <li>- Computer-based cognitive training</li> </ul> <p>Meta-Cognitive Treatment (MCT) of schizophrenia, according to Moritz and Woodward.            Cognitive-Behavioral Treatment of psychotic symptoms.</p> <p>On successful completion of this module, the student should:</p>

		<ul style="list-style-type: none"> <li>- have <b>knowledge and understanding</b> of profound and disabling cognitive deficits suffered by users affected by psychotic disorders;</li> <li>- <b>understand and explain</b> the importance of cognitive and metacognitive remediation in psychosis;</li> <li>- <b>make judgment</b> of impairment of daily functioning and contribution to chronic disability and unemployment caused by cognitive and metacognitive deficits, and by persistent psychotic symptoms in psychotic disorders;</li> <li>- <b>demonstrate skill</b> in application of the cognitive remediation strategies and metacognitive therapy with users affected by psychosis;</li> <li>- <b>demonstrate capacity</b> for reading and understand other texts and consult scientific data-base on related topics.</li> </ul>
3	Prerequisites and learning activities	Knowledge of cognitive behavioral strategies
4	Teaching methods and language	<p>Lectures, role-play, home work. Language: Italian, English</p> <p><b>Ref. Text books:</b> Brenner HD et al. <i>Terapia Psicologica Integrata (IPT). Programma strutturato per la riabilitazione del paziente schizofrenico</i>. Edizione italiana a cura di A. Vita, G. Invernizzi, McGraw-Hill Libri Italia, Milano, 1997. Hagen R, Turkington D, Berge T, Grawe R. <i>Terapia Cognitivo-Comportamentale delle Psicosi</i>. Edizione Italiana a cura di Niccolò G. Eclipsi Editore, Firenze, 2012 Moritz S. &amp; Woodward TS. <i>Manual of MetaCognitive Therapy, MCT</i> <a href="http://www.uke.uni-hamburg.de/kliniken/psychiatrie/index_17380.php">http://www.uke.uni-hamburg.de/kliniken/psychiatrie/index_17380.php</a> Vita A. <i>La riabilitazione cognitiva della schizofrenia. Principi, metodi e prove di efficacia</i>. Springer, Milano, 2013.</p>
5	Assessment methods	Oral exam.